



# Manungurra Aboriginal Corporation Commercial Garden Project



Manungurra Aboriginal Corporation – Presentation to IGA



# Who we are

## Manungurra Aboriginal Corporation

- Office in Tennant Creek, NT
- Providing services to members in remote communities
- Setting up a commercial vegetable garden in Wogyala, NT

## DICE Australia

- Office in Darwin, NT
- Providing sustainable solutions for remote communities
  - **ENERGY** – services in renewable energy – solar and battery storage
  - **WATER** – providing solutions for sustainable clean water
  - **FOOD** – innovative sustainable horticulture to feed communities and provide new business development
  - **HOUSING** – supporting infrastructure requirements for innovative and sustainable remote housing project



# Wogyala Garden Project

Wogyala Garden Project started in November 2017.

## Objectives of the Project

- Provide fresh food to the community of Wogyala and other surrounding communities
- Opportunity to develop a commercial garden for sustainable economic development for Manungurra Aboriginal Corporation
- Provide horticulture and construction training and employment for residents of Wogyala, Tennant Creek and other surrounding communities
- Aligned with the “Developing the North” Northern Territory business initiatives



# Construction Phase 1 – November/December



- Old water tank in Wogyala was manually de-assembled
- All the land in the fenced area around the old water tank formed the growing area for the new garden
- All the grass was manually removed
- Ground was levelled for preparation for the shade structure
- Soil and watering samples were obtained and analysed by an analytical laboratory

# Construction Phase 2 - January

- Removal of four 2 tonne 1000cm x 600cm x 1500 cm concrete footings
- Ground preparation for construction
- New Concrete footings for shade house
- Framework for new shade structure assembled



# Completing the Shade Structure - January



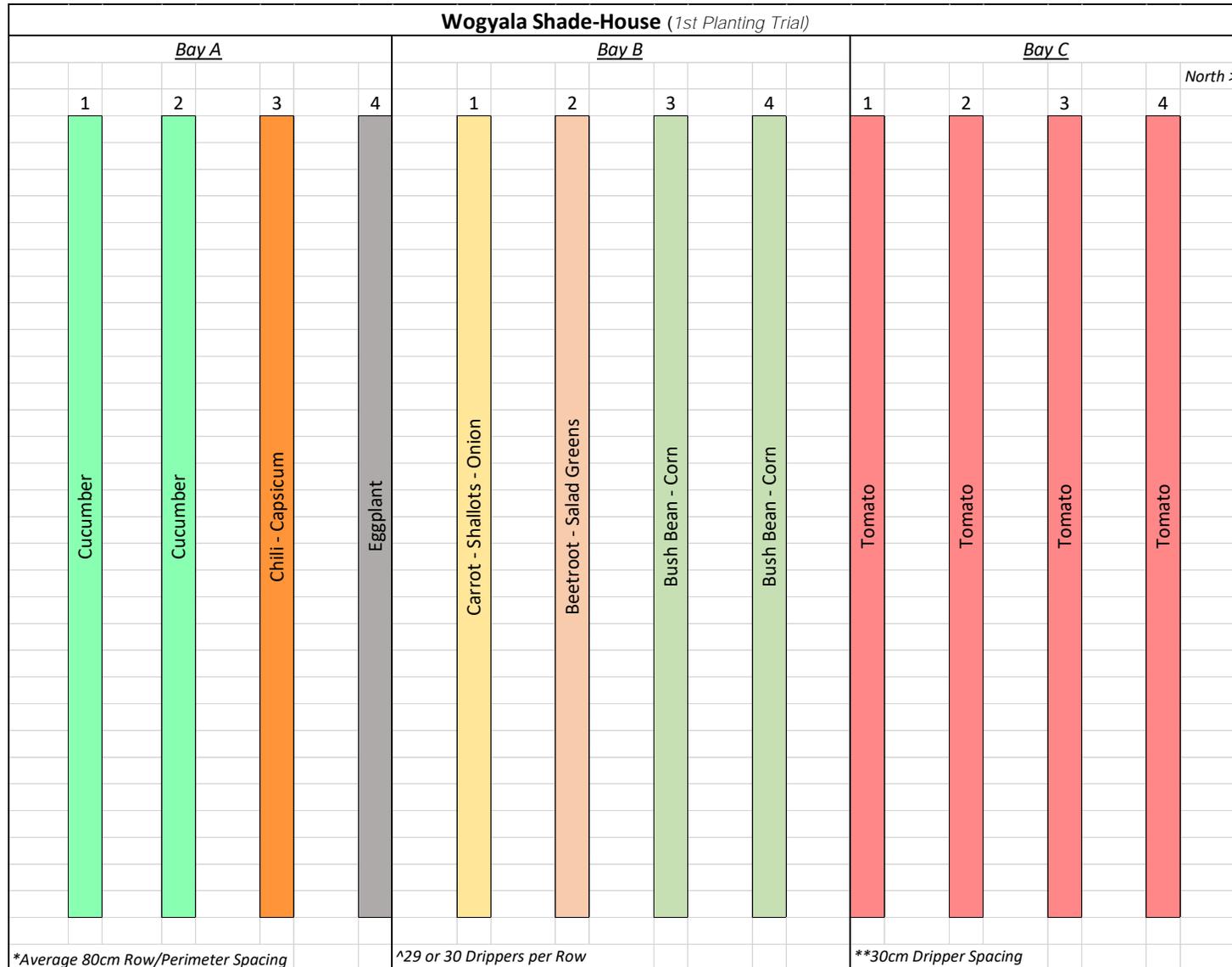
- Electrical Conduit Installation
- Installation of Shade Structure Frame with 50% shade cloth
- Main frame to Watering System Installation
- Ground reticulation
- Overhead misting system for evaporative cooling and humidity control

# Completed Shade Structure - February



Shade Structure is 10.5 m x 10.5 m  
12 Growing Rows with drip emitters (30 cm spacing with 3L/hour of water capability)  
Evaporative Cooler provided by 100 misters (cooling and humidity control)

# Planting - February



Seeds were planted in the garden in late January 2018

Cucumbers, Capsicum, Bush Beans and Tomatoes have will be tested for commercial production.

# Harvest Schedule



Harvest Predictions per Crop - Wogyala Community																								
Production Phase:	Germination/Transplant						Growth						Harvest											
	Weeks																							
Crops	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Beetroot	■	■	■																					
Bush Bean*	■	■																						
Capsicum/Chili*	■	■																						
Carrot	■	■																						
Cucumber*	■																							
Eggplant	■																							
Salad Greens	■	■																						
Onion	■	■																						
Melon^	■																							
Shallots	■																							
Sweet Corn	■																							
Tomato*	■	■																						

\*Crop Trials for Commercial Production  
 ^Minimal planting to corners of drip-line and directed outside Shade-house.

Commercial Production Trials are being conducted on:

- Tomatoes
- Cucumbers
- Capsicum/Chilis
- Bush Beans

Evaluations will be conducted to:

- Assess and optimize water quality
- Assess and optimize soil quality
- Develop a robust fertilizer strategy
- Utilize technology for monitoring and operational regularity

# Community Engagement



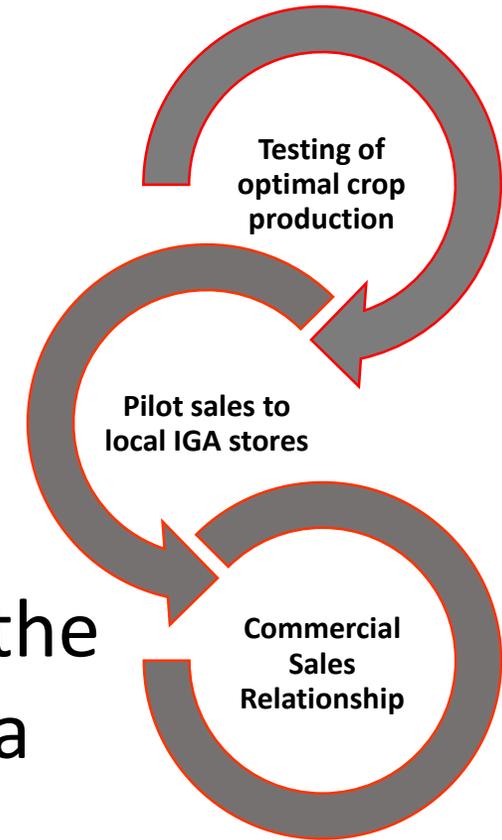
- Good support from Wogyala locals in helping prepare the Shade Structure
- Good support from the Rockhampton Downs School
- Education and learnings for the students in the construction and assembly of the Shade Structure



# Requests for IGA

- Order and Delivery schedule of produce
- Marketing and Packaging requirements
- Opportunities of stores to supply

Develop an Incubator Program to support the development of Manungurra in becoming a regular supplier of produce to IGA Stores



Thank you for your time

